LISTING OF CLAIMS:

- 1.(original) A method of treating a lung condition in a primate exhibiting symptoms of cystic fibrosis, said method comprising administering to the respiratory system of said primate an effective amount of H₂O₂.
- 2. (previously amended) The method of claim 1, wherein said administering is by a) inhalation of H_2O_2 or b) said administering is a formulation which produces H_2O_2 in said respiratory system.
- 3. (cancelled) The method of claim 1, wherein said administering is a formulation which produces H₂O₂ in said respiratory system.
- 4. (previously amended) The method of claim 1, wherein said lung condition comprises infection with: a) bacteria; b) fungus; or c) virus.
- 5. (currently amended) The method of claim 1, said method further comprising administering:
 - a) a peroxidase; and/or
 - b) an effective amount of thiocyanate.
- 6. (previously amended) The method of claim 1, wherein said administering is in combination with a treatment for a lung condition, a lung infection, or cystic fibrosis.
- 7. (previously amended) The method of claim 6, wherein said treatment comprises: a) administering an antibiotic, anti-fungal or antiviral; b) administering a depolymerase; or c) an airway clearance technique or physical therapy.
- 8. (previously amended) The method of claim 7, wherein:
 - a) said polymerase is a DNAse; or
 - b) said treatment comprises one or more of a breathing exercise, postural drainage, chest percussion, vibration, or assisted coughing.

- 9. (original) The method of claim 1, wherein said H₂O₂ is:
 - a) at a concentration between 10⁻⁷ M and 10⁻⁴ M in the lung fluid; or
 - b) administered between once in a week to hourly.
- 10. (currently amended) A method of treating a lung infection in a mammal, said method comprising administering to the respiratory system of said mammal an effective amount of H₂O₂
- 11. (currently amended) The method of claim 10, wherein said mammal is a primate and said administering is by:
 - a) inhalation
 - b) a formulation which produces H₂O₂ in said respiratory system; or
 - c) in combination with a peroxidase or an effective amount of thiocyanate.
- 12. (cancelled) The method of claim 10, wherein said administering is a formulation which produces H₂O₂ in said respiratory system.
- 13. (cancelled) The method of claim 10, wherein said lung infection comprises a:
 - a) bacterium, including Staphylococcus aureus, Pseudomonas aeruginosa, or Burkholderia cepacia;
 - b) fungus; or
 - c) virus.
- 14. (cancelled) The method of claim 10, wherein said administering is in combination with: a) peroxidase; or b) thiocyanate.
- 15. (cancelled) The method of claim 10, wherein said administering is in combination with a treatment for a lung condition, including a lung infection or cystic fibrosis.
- 16. (cancelled) The method of claim 15, wherein said additional treatment comprises administering an: a) antibiotic; b) anti-fungal; or c) anti-viral.

- 17. (cancelled) The method of claim 15, wherein said additional treatment comprises:
 - a) administering an enzyme, including a depolymerase; or
 - b) an airway clearance technique or physical therapy, including breathing exercises, postural drainage, chest percussion, vibration, or assisted coughing.
- 18. (previously amended) The method of claim 10, wherein said H₂O₂ is:
 - a) at a concentration between 10⁻⁷ M and 10.⁻⁴ M in the lung fluid; or
 - b) administered between once in a week to hourly.
- 19. (presently amended) An inhaler comprising:
 - a) aerosolized hydrogen peroxide;
 - b) a peroxidase; or
 - c) thiocyanate.
- 20. (Cancelled) The inhaler of claim 19, further comprising an antibiotic, an anti-fungal, or an anti-viral.
- 21. (previously presented) The method of Claim 4 wherein said bacteria comprises Staphylococcus aureus, Pseudomonas aeruginosa, or Burkholderia cepacia.
- 22. (previously presented) The method of Claim 11, wherein:
 - a) said lung infection comprises bacteria;
 - b) said administering is in combination with an additional treatment for cystic fibrosis;
 - c) said administering is in combination with administering a depolymerase;
 - d) said administering is in combination with an airway clearance technique or physical therapy; or
 - e) said administering is in combination with at least one of a breathing exercise, postural drainage, chest percussion, vibration, or assisted coughing.

- 23. (previously presented) The method of Claim 11, wherein:
 - a) said administering is in combination with administering thiocyanate;
 - b) said administering is in combination with administering an antibiotic; or
 - c) said treating prevents or decreases progression of said lung infection.
- 24. (previously presented) The method of Claim 10, wherein:
 - a) said lung infection comprises bacteria, fungus, or virus; or
 - b) said administering is in combination with an additional treatment for a lung condition, lung infection, or cystic fibrosis.
- 25. (previously presented) The method of Claim 24, wherein:
 - a) said bacteria comprises Staphylococcus aureus, Pseudomonas aeruginosa, or Burkholderia cepacia; or
 - b) said administering is in combination with thiocyanate.
- 26. (previously presented) The method of Claim 10, wherein said treating prevents or decreases progression of said lung infection.
- 27. (previously presented) The inhaler of Claim 19, which:
 - a) administers an amount of hydrogen peroxide to the respiratory system of a mammal effective to decrease microbial load;
 - b) administers hydrogen peroxide in an amount between 10-7 M and 10-4 M in the lung fluid; or
 - c) further comprises an antibiotic, an anti-fungal, or an anti-viral.
- 28. (previously presented) The inhaler of Claim 19, comprising:
 - a) hydrogen peroxide;
 - b) thiocyanate; or
 - c) hydrogen peroxide and thiocyanate.